

DATE: June 16, 2008

TO: Region Engineers
Region Delivery Engineers
TSC Managers
Resident/Project Engineers
Region Construction Engineers
Region Materials Engineers

FROM: Larry E. Tibbits
Chief Operations Officer

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Engineer of Delivery

SUBJECT: Bureau of Highway Instructional Memorandum 2008-12
Progress Clause for Steel Superstructure Projects

This document provides guidance to the engineer in determining contract milestones for the progress clause in projects needing steel beams. The following information is a revision to page 102-14 in the *Construction Manual*. Use this information to estimate the progress clause for the order and delivery of steel beams after the project award.

Once a project is awarded, the contractor will place an order with a structural steel fabricator. The structural steel fabricator will need to place the order with a steel mill for projects requiring rolled beams or plate girders. The steel mills produce batch runs of different types and size of steel. For example, a mill may produce 1-inch thick plate steel one week, 36-inch rolled beams the next week, and piling the following week. Fabricators do not stockpile most types of beams or plate steel. This is consistent with the just-in-time concept of manufacturing common in industry today. For some small orders or certain types of steel, such as pin and hangers (link plates and pins), fabricators can purchase the needed steel through warehouses or they may have their own supply. For emergencies, such as damage from a high load impact, fabricators can purchase the needed steel items from national warehouses. The cost of this steel may be much higher, and is not economically feasible (to the fabricator or the state) for large orders.

Work Item	Time
Order and Delivery of Steel Beams Plate Girders and Rolled Beams - with flange thickness less than 3"	26 weeks after award
Bascule, Arch, Tub Girders, Plate Girders and Rolled Beams – With flange thickness 3" or greater	*Consult Structural Fabrication Unit

* Contact Steve Cook (517-322-5709) or Jeff Weiler (517-322-1235) of the Construction and Technology Division's Structural Fabrication Unit for assistance in developing the timeframes for order and delivery of steel in preparing the progress clause.

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